

WHEELED HUMANOID · INDUSTRIAL OPERATIONS PLATFORM

Engage G2.

Built to work.

The Engage G2 is a full-scale wheeled humanoid engineered for industrial and commercial operations — dual 7-DOF arms, a multi-sensor perception stack, and an omnidirectional chassis, delivered and supported in the United States exclusively by Engage.

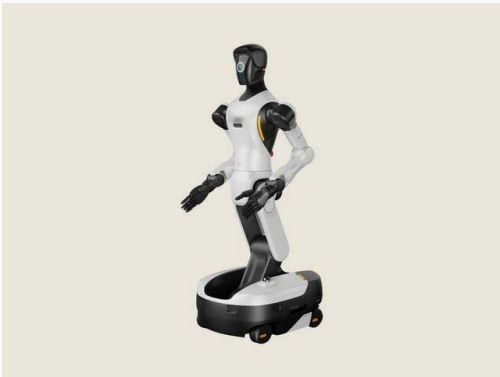


FIG. 01 · ENGAGE G2 · PRODUCTION UNIT

26

ACTIVE DOF

5 kg

ARM PAYLOAD

~4 h

ENDURANCE

IP42

PROTECTION

01 · BASIC SPECIFICATIONS

Dimensions	1225 – 1795 mm (H) · 640 mm (W) · 760 mm (L)
Weight	185 kg
Active Degrees of Freedom	26
Neck DOF	3
Single Arm DOF	7
Waist & Leg DOF	5
Chassis DOF	4

02 · PERCEPTION SYSTEM

3D LiDAR	2
Stereo Camera	1
Fisheye Camera	3
Head RGBD Camera	1
Wrist RGBD Camera	2

03 · RANGE OF MOTION

Head Yaw	±90°	Arm 1	±178°
Head Roll	±20°	Arm 2	±120°
Head Pitch	±30°	Arm 3	±178°
Waist Yaw	±174.5°	Arm 4	–145° – 60°
Waist Roll	±25°	Arm 5	±178°
Waist Pitch	–110° – 64°	Arm 6	±90°
Knee	0° – 152°	Arm 7	±60°
Ankle	–62° – 0°		

04 · COMMUNICATION

Communication Methods **Wi-Fi · 4G/5G · Bluetooth · NFC**

05 · INTERACTION MODULES

Microphone Array **Equipped**

Speaker **Equipped**

Facial Interaction Screen **Equipped**

Multi-Color Light Indicator **Equipped**

06 · PERFORMANCE

Arm Rated Payload **5 kg**

Arm Joint Torque Sensor **Equipped**

Chassis Speed **1.5 m/s**

Chassis Movement Modes **Ackermann steering · Lateral movement · In-place rotation**

08 · INTELLIGENT CONTROL

Computing Board **NVIDIA Jetson T5000 · 2070 TFLOPS (FP4)**

07 · POWER SYSTEM

Number of Batteries **2**

Total Battery Capacity **1652 Wh**

Endurance **Approx. 4 h**

Recharging Methods **Direct charging · Battery swapping · Autonomous recharging**

Charging Time **≤ 2 h**

Charging Voltage **100 – 240 V**

Charger Output **54.75 V · 15 A**

09 · PLATFORM & SUPPORT

Handheld Wireless Terminal **Available**

Intelligent OTA Upgrade **Available**

Secondary Development **Supported**

Remote Wake-Up **Supported**

Whole-Machine Protection **IP42**

10 · ORDERING & SUPPORT

The Engage G2 is available for purchase or program-based deployment through Engage, the exclusive U.S. channel for the Engage robotic workforce. Every unit ships with commissioning, operator training, OTA lifecycle management, and Engage field support. Request a quote at engagework.com.